Installation Manual -YM11512
4x12 Pergola Room Kit

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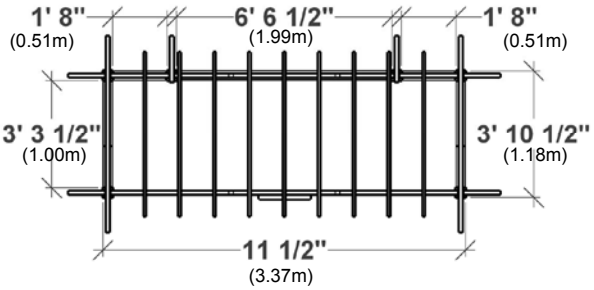


!Important Safety Notice!

- Yardistry components are intended for privacy, decorative and ornamental use only. **Product is NOT INTENDED for the following:**
  - A safety barrier to prevent unsupervised access to pools, hot tubs, spas, or ponds.
  - Safety railings for elevated platforms or decks.
  - As load bearing support for a building, structure, heavy objects or swings. - Used in structures that trap wind, rain or snow that would create extra load on the product.
- **Permanent structures may require a building permit**. As the purchaser and or installer of this product you are advised to consult local planning, zoning, and building inspection departments for guidance on applicable building codes and or zoning requirements.
- **Wood is NOT flame retardant and will burn.** Grills, fire pits and chimneys are a fire hazard if placed too close to a Yardistry structure. Consult user's manual of the grill, fire pit or chimney for safe distances from combustible materials.
- **During installation, follow all safety warnings provided with your tools and use OHSA approved safety glasses.**
- **Some structures may require two or more people to install safely. Check for underground utilities before digging or driving stakes into the ground!**

General Information: Wood components are manufactured with Cedar (C. Lanceolata) which is protected with factory applied water-based stain. Knots, small checks (cracks) and weathering are naturally occurring and do not affect the strength of the product. Annual application of a water-based water repellent sealant or stain will help reduce weathering and checks.

Warranty: Yardistry Limited products are backed by a 5 year limited lifetime warranty from the date of original retail purchase for manufacturing defects and if installed as per manufacturer's installation instructions.

Patents Pending

Tools Required

- Tape Measure
- Carpenters Level
- Carpenters Square
- Standard or Cordless Drill
- #2 Phillips or Robertson Bits or Screwdriver
- Ratchet with extension (7/16" sockets)
- Open End Wrench (7/16")
- Adjustable Wrench
- 1/8" Drill Bit
- Pencil
- 1/4" Drill Bit
- 3/16" Hex Key
- 8' Step Ladder
- Safety Glasses
- Adult Helpers

Keys To Assemble Success

This identifies information that requires special attention. Improper assembly could lead to an unsafe or dangerous condition.

Use Help

Use Help

Where this is shown, 2 or 3 people are required to safely complete the step. To avoid injury or damage to the assembly make sure to get help!

Measure Distance

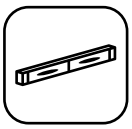
Check that assembly is square before tightening bolts.

Use a measuring tape to assure proper location.

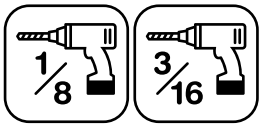
Square Assembly

Check that set or assembly is properly level before proceeding.

Use Level

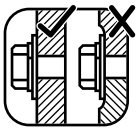


Pre-drill 1/8" & 3/16" Bit



Pre-drill a pilot hole before fastening screw or lag to prevent splitting of wood.

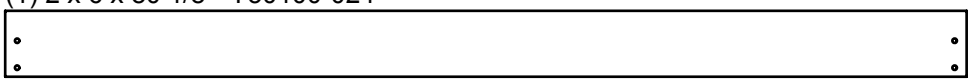
Tighten Bolts



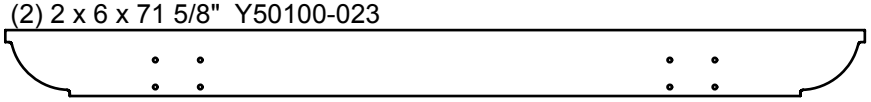
This indicates time to tighten bolts, but not too tight! Do not crush the wood. This may create splinters and cause structural damage.

Material List

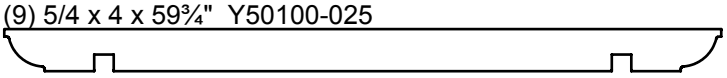
(A) (1) 2 x 6 x 80 1/8" Y50100-024



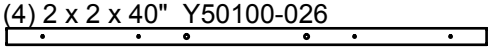
(B) (2) 2 x 6 x 71 5/8" Y50100-023



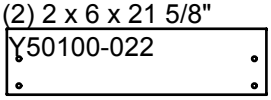
(C) (9) 5/4 x 4 x 59¾" Y50100-025



(D) (4) 2 x 2 x 40" Y50100-026



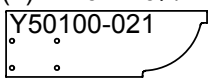
(E) (2) 2 x 6 x 21 5/8" Y50100-022



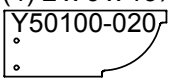
(Y) (1) 1 x 6 x 11" Y50100-019

Nominal	Actual
1 x 6	5/8 x 5 3/8"
5/4 x 4	1 x 3 1/2"
2 x 2	1 1/2 x 1 1/2"
2 x 6	1 1/2 x 5 1/2"
4 x 4	3 1/2 x 3 1/2"

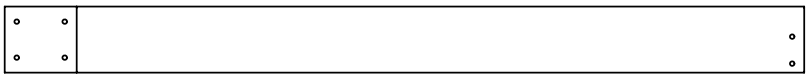
(F) (2) 2 x 6 x 16¾" Y50100-021



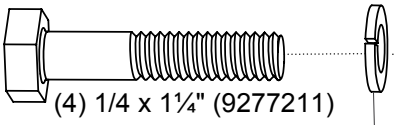
(H) (4) 2 x 6 x 13½" Y50100-020



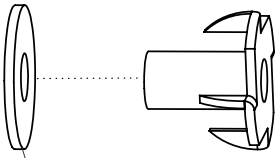
(Z) (2) 2 x 6 x 66 5/8" Y50100-027



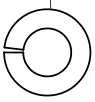
(H0) (4) 1/4 x 1¼" (9277211)



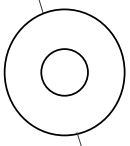
(4) 1/4" (9285200)



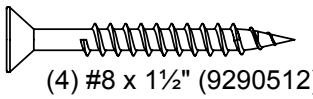
(4) 1/4" (9253200)



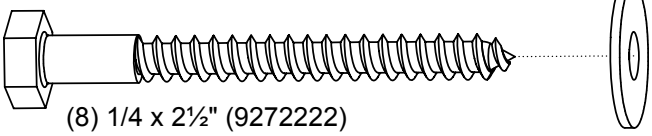
(12) 1/4" (9251200)



(S1) (4) #8 x 1½" (9290512)

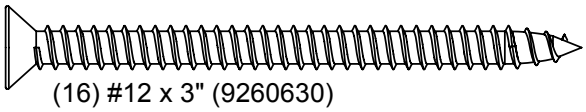


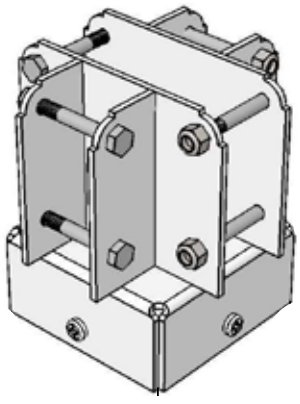
(2½) (8) 1/4 x 2½" (9272222)



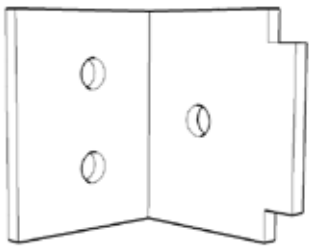
(S2) (18) #8 x 3" (9290530)

(S3) (16) #12 x 3" (9260630)





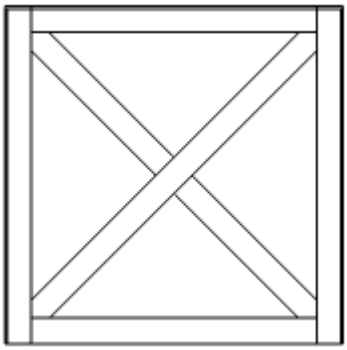
(6) Post Top Connector With (WH) 7/16" Hex Bolt Assembly



(30) Panel Clips

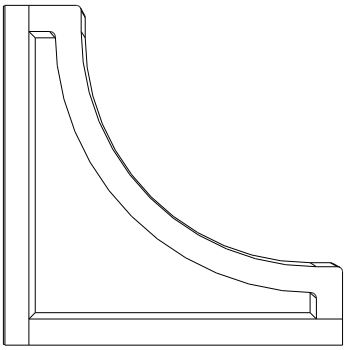
Material List

PX1



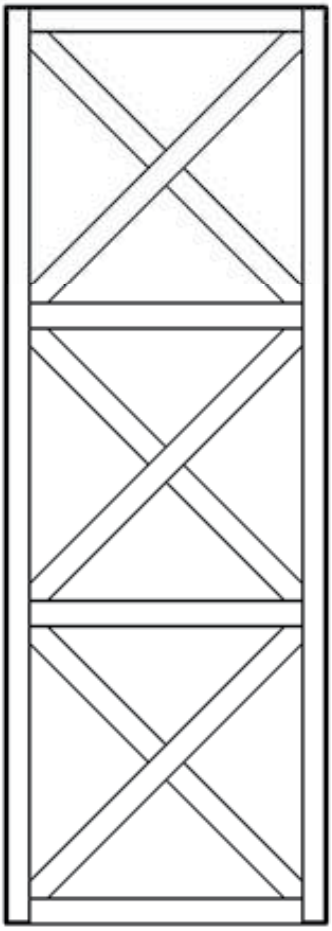
(8) One High X Topper

PA1



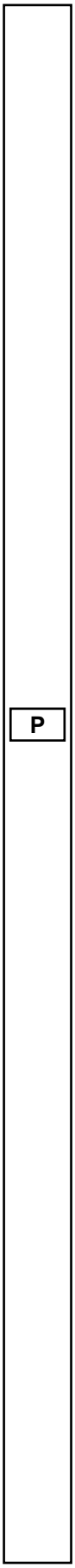
(2) One High X Topper

PX3



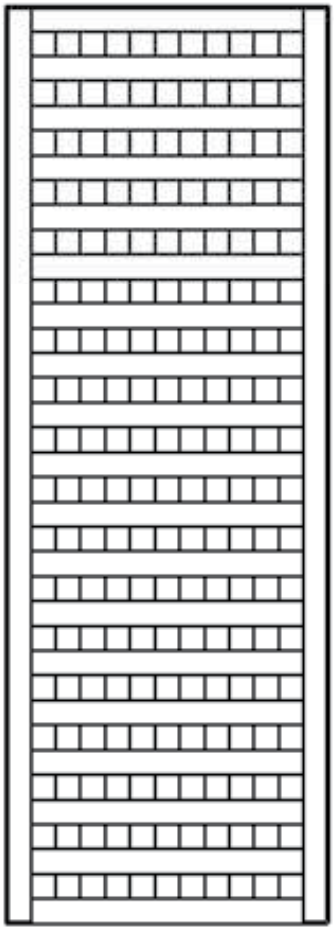
(4) Three High X Panel

P



(6) 4x4 Post

PL3



(6) Three High Lattice Panel

R

(10) Top and Bottom Rail
(Lengths Vary)

S4

#8 x 2 1/4" Wood Screw

S5

#10 x 1" Pan Head Screw

S6

#10 x 1 1/2" Pan Head Screw

S7

#8 x 1 1/2" Wood Screw

Step 1- Assemble Screens for Main Wall

1. Remove the metal connectors on both sides of PL3 - Three High Lattice Panel. Reattach the metal connectors to PL3 by securing the bottom two holes of the metal connectors to the top two holes on PL3 so that the metal connectors stick out from the top. Slide PX1 – One High X Topper between the two protruding metal connectors on the top of PL3. Attach the metal connectors to the factory drilled holes in PX1. (Fig. 1A) ***Ensure Panels are right side up! (Fig. 1B)**
2. Secure panels with a S4 - 2 1/4" Wood Screw the location indicated by the large arrow in the direction of the arrow.
3. Repeat until 4 panel assemblies are created.

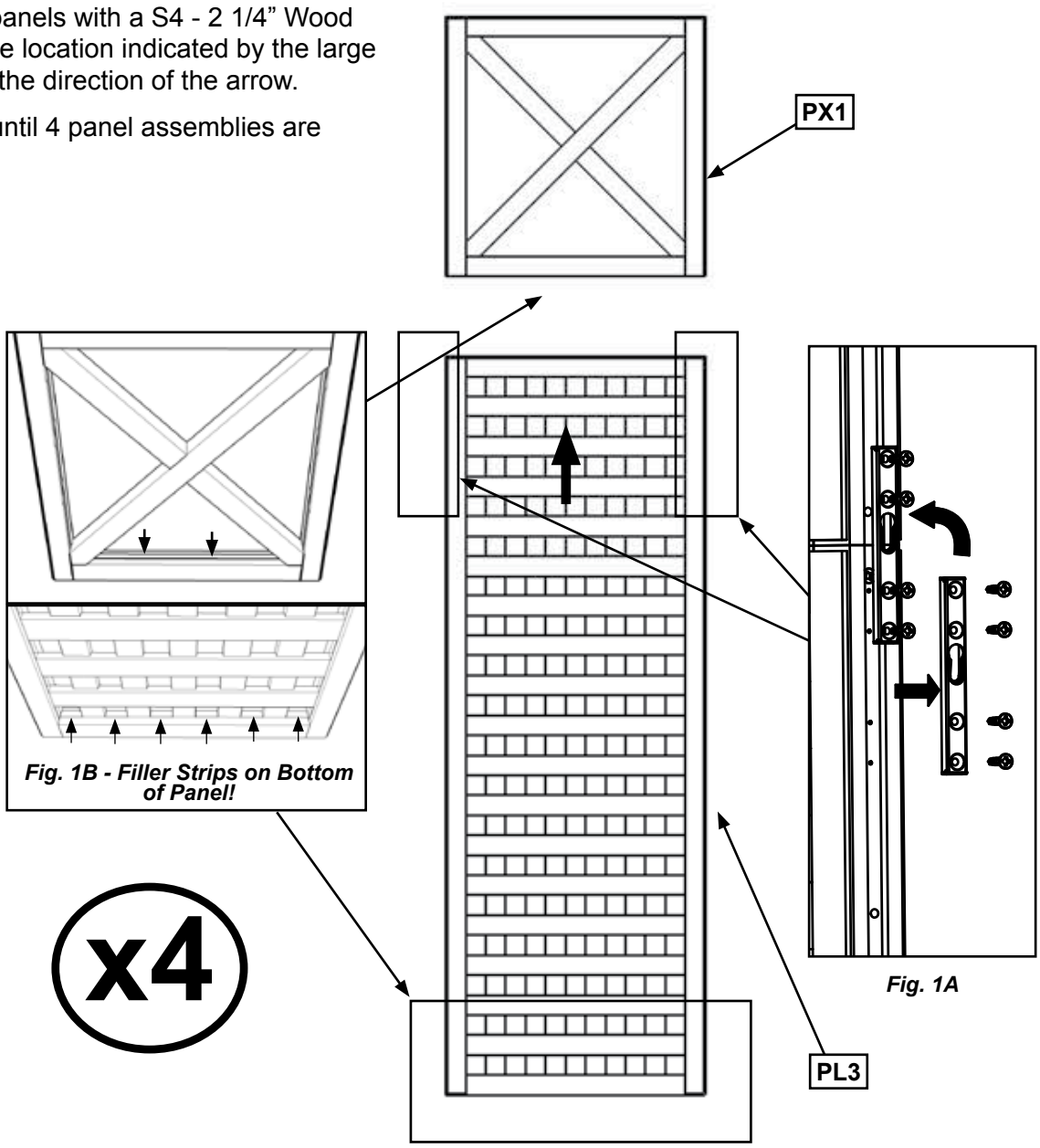


Fig. 1B - Filler Strips on Bottom of Panel!

Fig. 1A

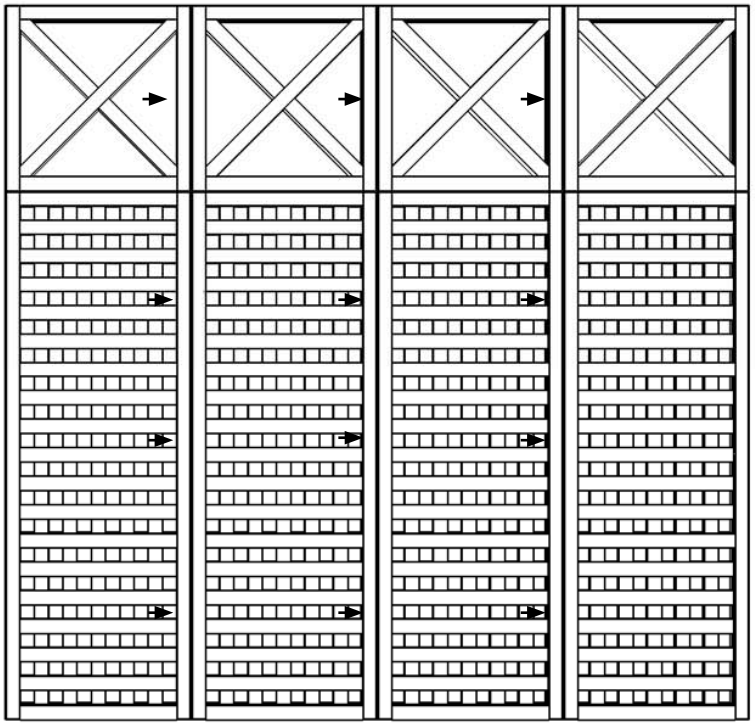
4x PX1 One High X Topper

4x PL2 Two High Lattice Panel

4x S4 #8- 2 1/4" Wood Screws

Step 2- Assemble main Wall

Fig. 1



1. Assemble panels together in configuration shown. (Fig.1) Insert male connector into female. Slide down until flush with adjacent panel as shown. (Fig. 1A)
2. Secure Panels with S4 - 2 1/4" screws provided in pre-drilled holes as indicated by arrows, in the direction of the arrow. (Fig.1)

Fig. 1A

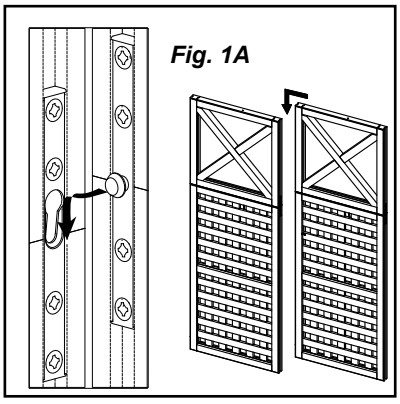


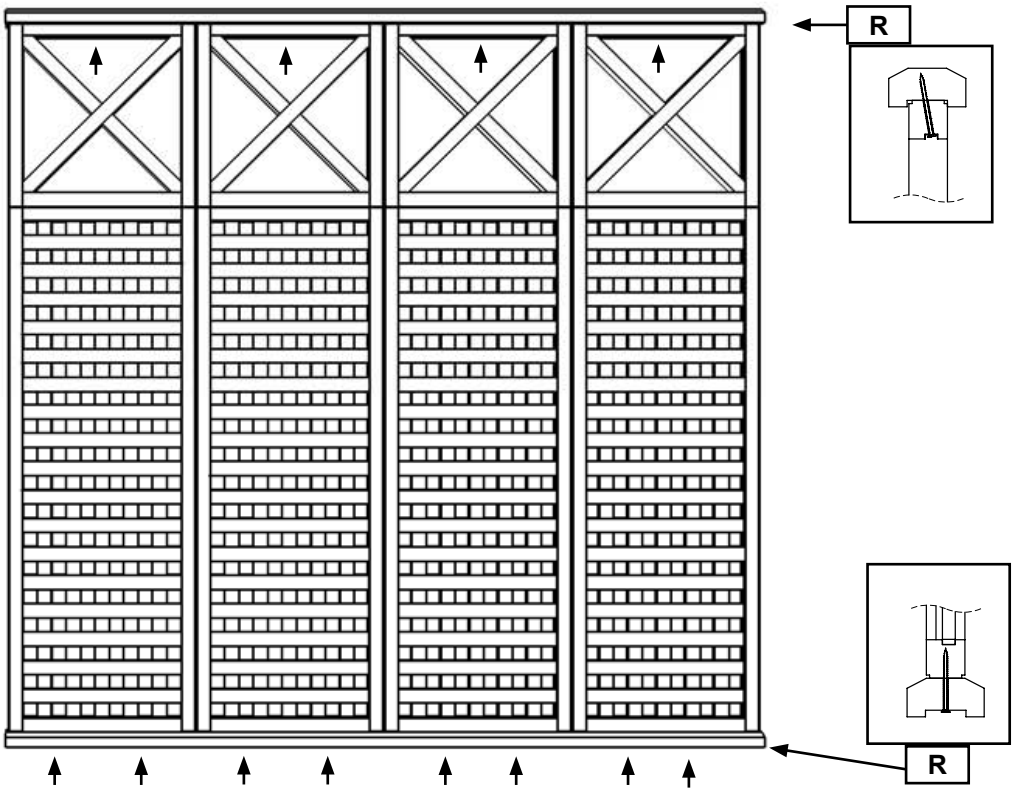
Fig. 2

3. Secure R-Top and Bottom Rails to Panel Assembly with S4 - 2 1/4" Wood Screws locations indicated by arrows in the direction of the arrow. (Fig. 2)

***R- Top and Bottom Rails will overhang 1/4" on either side of panel.**

**** R- Top and Bottom Rails may need to be cut to 6' 6 1/2" (2m)***

(It is recommended to use a Mitre Box or Mitre Saw)



2X [R] Top & Bottom Rail at 6' 6 1/2" (2m)

24X (S4) #8- 2 1/4" Wood Screws

Step 3- Assemble Single Screens

1. Remove the metal connectors on both sides of PL3 - Two High Lattice Panel. Reattach the metal connectors to PL3 by securing the bottom two holes of the metal connectors to the top two holes on PL3 so that the metal connectors stick out from the top. Slide PX1 – One High X Topper between the two protruding metal connectors on the top of PL3. Attach the metal connectors to the factory drilled holes in PX1. (Fig. 1A) ***Ensure Panels are right side up! (Fig. 1B)**
2. Secure R-Top and Bottom Rails to Panel Assembly with **S4** - 2 1/4" Wood Screws locations indicated by arrows and in the direction of the arrow. *R- **Top and Bottom Rails will overhang 1/4" on either side of panel.**

* ***R- Top and Bottom Rails may need to be cut to 20" (50.8cm)***

(It is recommended to use a Mitre Box or Mitre Saw)

3. Repeat until two panel assemblies are assembled.

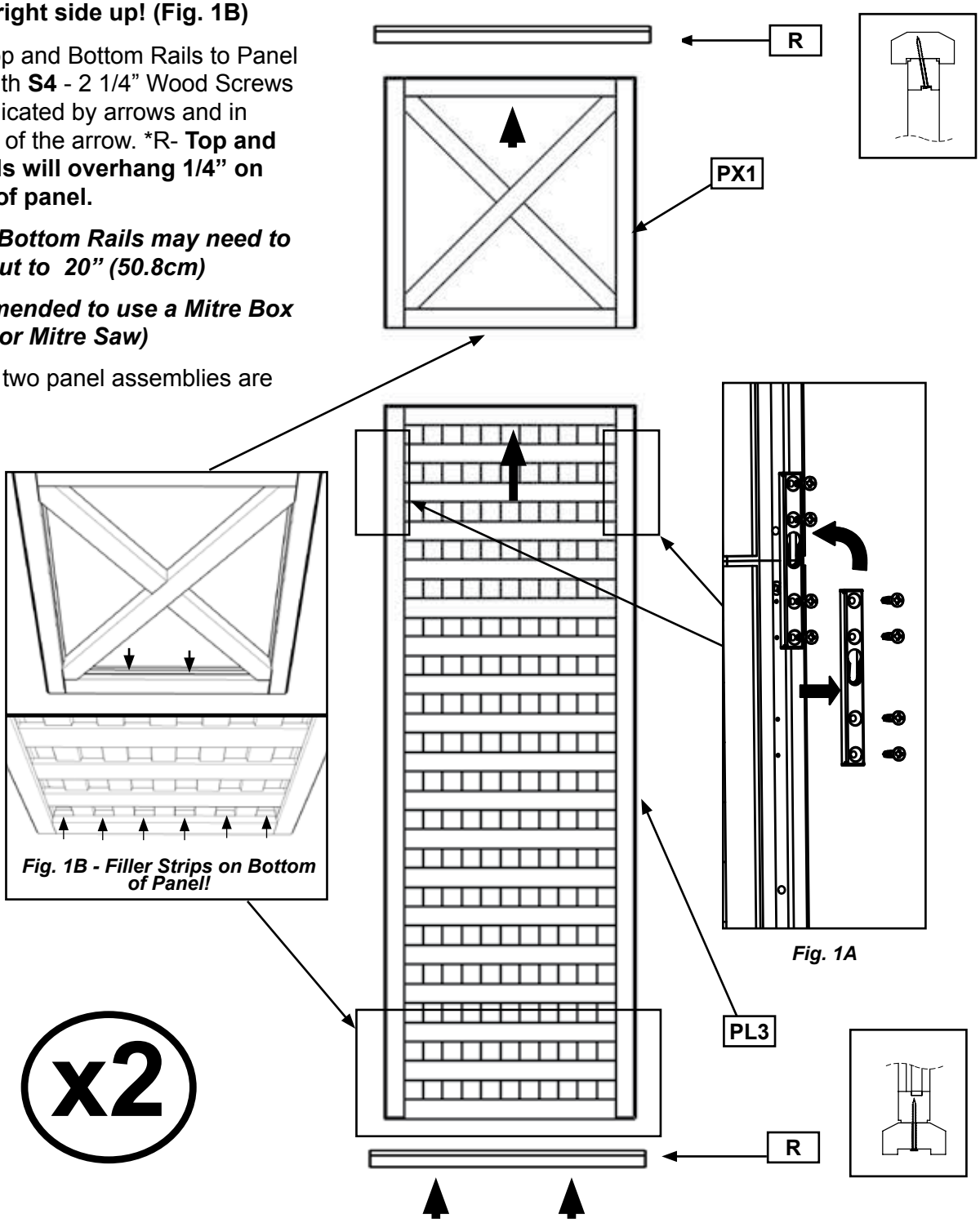


Fig. 1B - Filler Strips on Bottom of Panel!

Fig. 1A

2x PX1 One High X Topper	6x S4 #8- 2 1/4" Wood Screws
2x PL2 Two High Lattice Panel	
4x R Top & Bottom Rail At 20" (50.8cm)	

Step 4A- Assemble Wings

1. Remove the metal connectors on both sides of PX3 - Two High X Panel. Reattach the metal connectors to PX3 by securing the bottom two holes of the metal connectors to the top two holes on PX3 so that the metal connectors stick out from the top. Slide PA1 – Arch Topper between the two protruding metal connectors on the top of PX3. Attach the metal connectors to the factory drilled holes in PA1. (Fig. 1A) ***Ensure Panels are right side up! (Fig. 1B)**
2. Secure panels with a S4 - 2 1/4" Wood Screw the location indicated by the large arrow in the direction of the arrow.
3. Repeat until two panel assemblies are assembled.

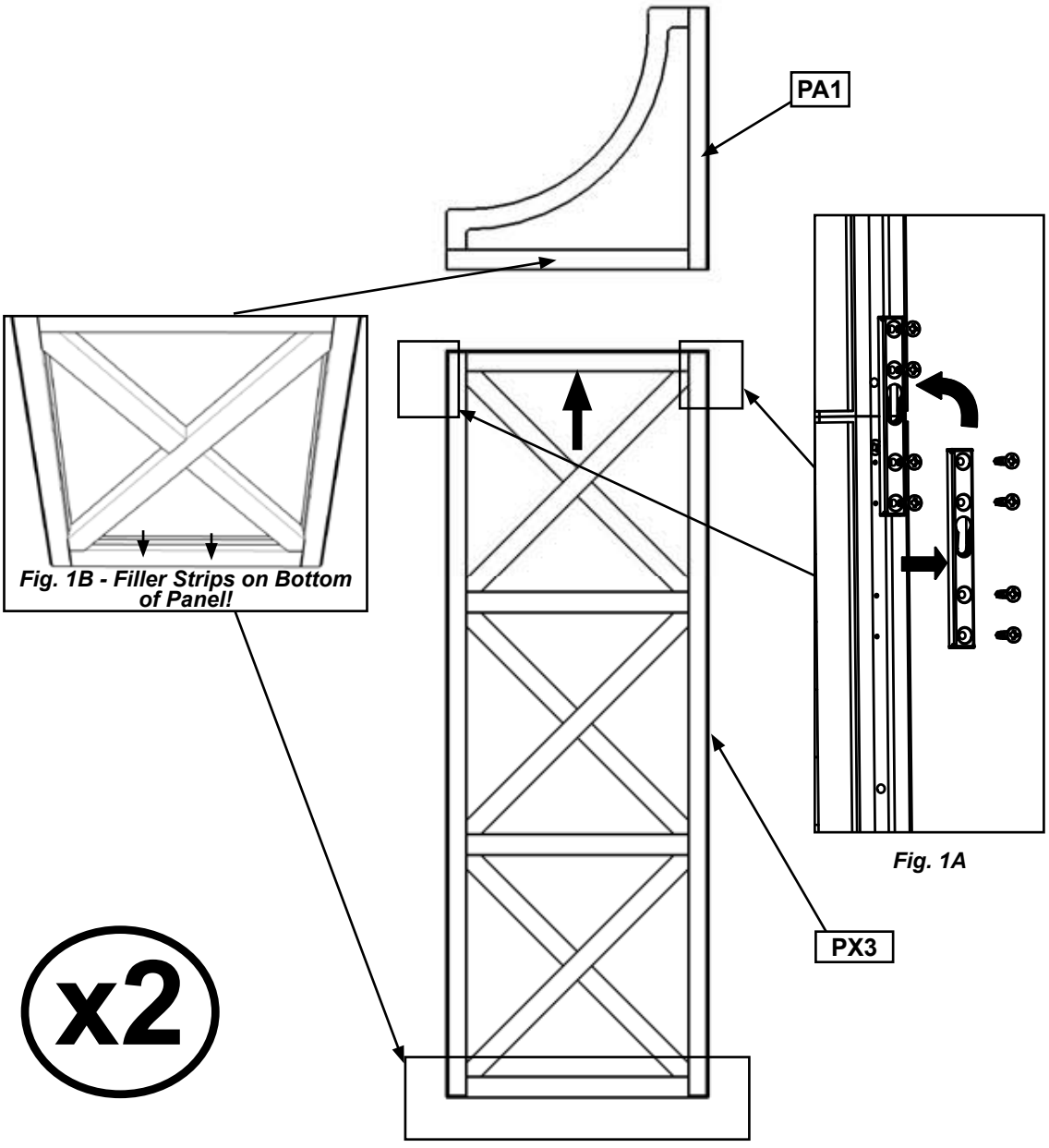


Fig. 1B - Filler Strips on Bottom of Panel!

Fig. 1A

2X PA1 Arch Topper

2X PX2 Two High X Panel

2X S4 #8- 2 1/4" Wood Screws

Step 4B- Assemble Wings Continued

4. Remove the metal connectors on both sides of PX3 - Two High X Panel. Reattach the metal connectors to PX3 by securing the bottom two holes of the metal connectors to the top two holes on PX3 so that the metal connectors stick out from the top. Slide PA1 – Arch Topper between the two protruding metal connectors on the top of PX3. Attach the metal connectors to the factory drilled holes in PA1. (Fig. 4A) ***Ensure Panels are right side up! (Fig. 4B)**
5. Secure panels with a S4 - 2 1/4" Wood Screw the location indicated by the large arrow in the direction of the arrow.
6. Repeat until two panel assemblies are created.

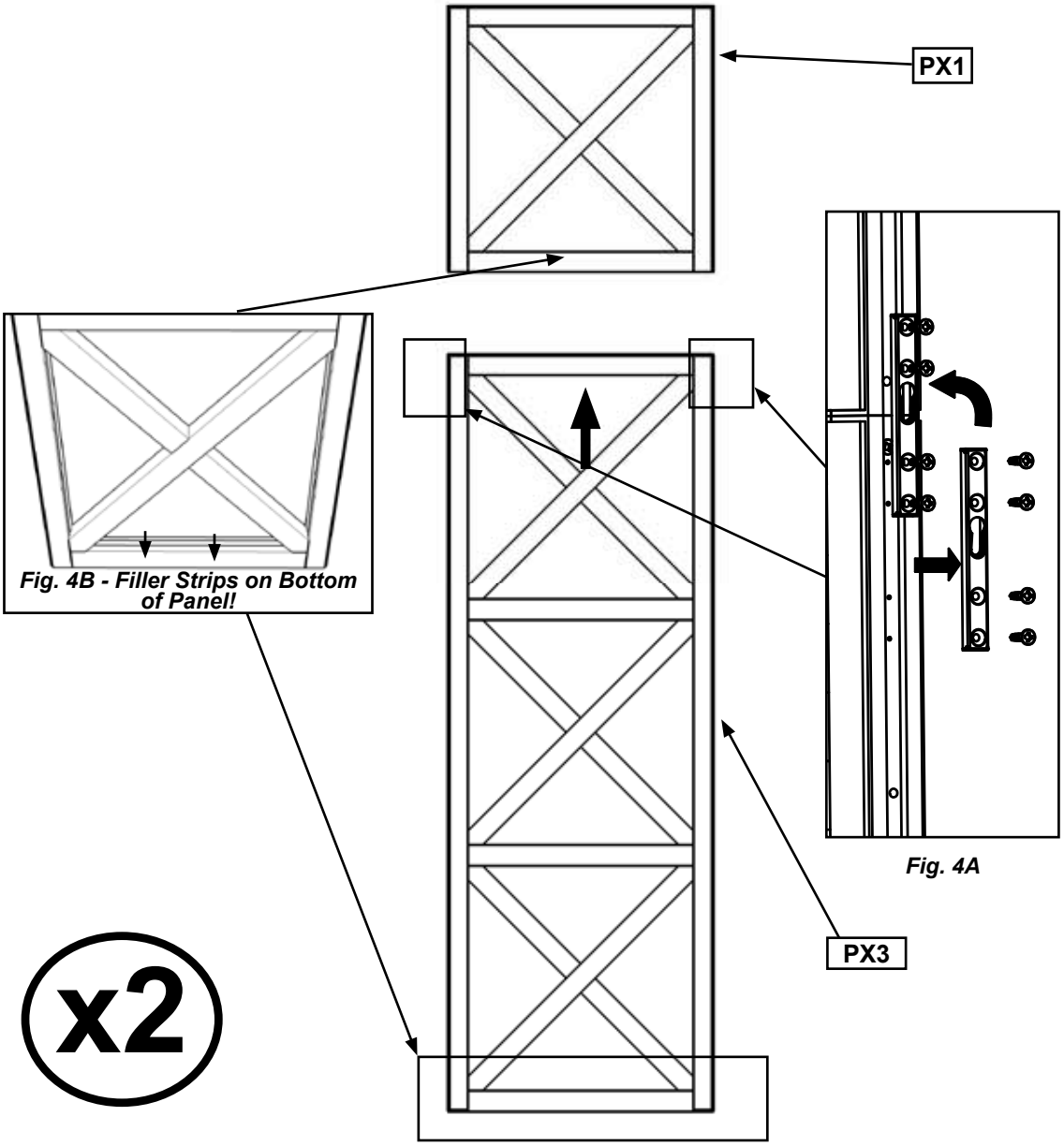


Fig. 4B - Filler Strips on Bottom of Panel!

Fig. 4A

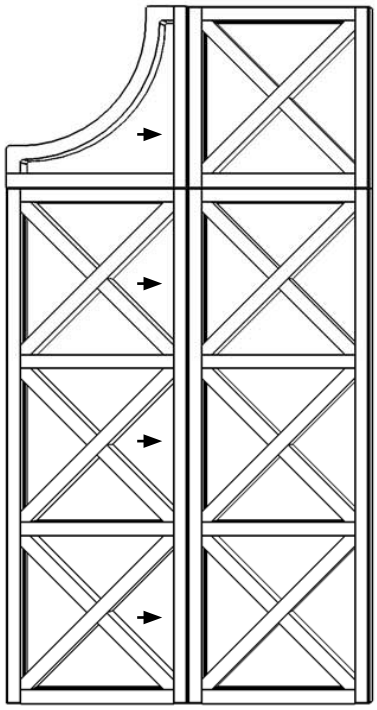
2X PA1 Arch Topper

2X PX2 Two High X Panel

2X S4 #8- 2 1/4" Wood Screws

Step 5- Assemble Side Wall

Fig. 1



x2

1. Assemble panels together in configuration shown. (Fig.1) Insert male connector into female. Slide down until flush with adjacent panel as shown. (Fig. 1A)
2. Secure Panels with S4 - 2 1/4" screws provided in pre-drilled holes as indicated by arrows, in the direction of the arrow. (Fig.1)

Fig. 1A

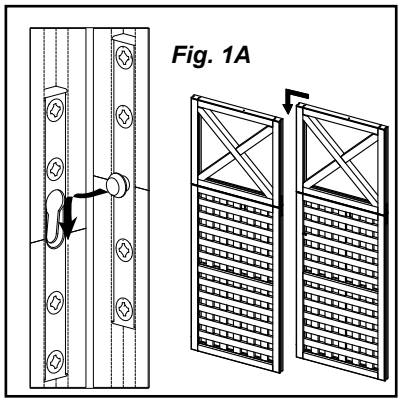
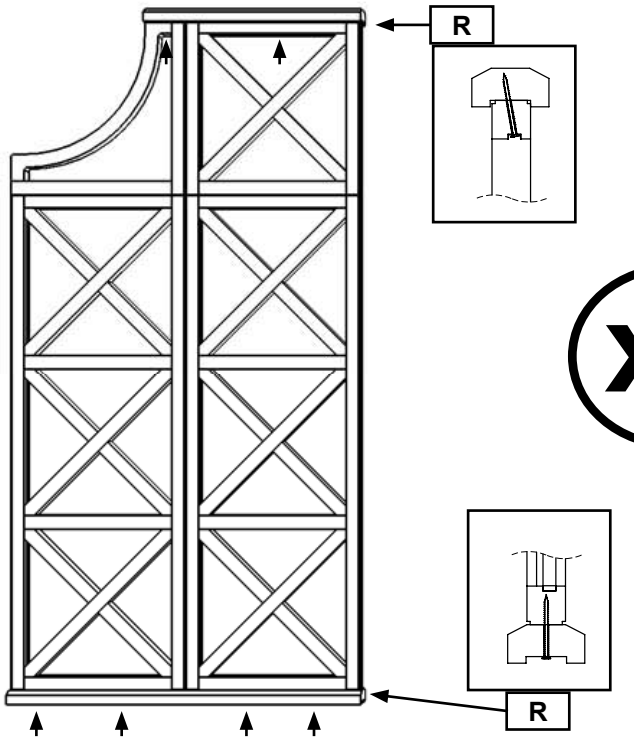


Fig. 2



x2

3. Secure R-Top and Bottom Rails to Panel Assembly with S4 - 2 1/4" Wood Screws locations indicated by arrows in the direction of the arrow. (Fig. 2)

***R- Top and Bottom Rails will overhang 1/4" on either side of panel.**

**** R- Top and Bottom Rails may need to be cut to size indicated in material list below.***

(It is recommended to use a Mitre Box or Mitre Saw)

4. Repeat to create two walls.

2X [R] Top & Bottom Rail at 3' 3 1/2" (1m)

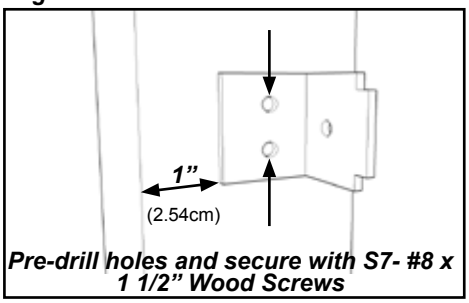
2X [R] Top & Bottom Rail at 2' 1/4" (0.62m)

20X (S4) #8- 2 1/4" Wood Screws

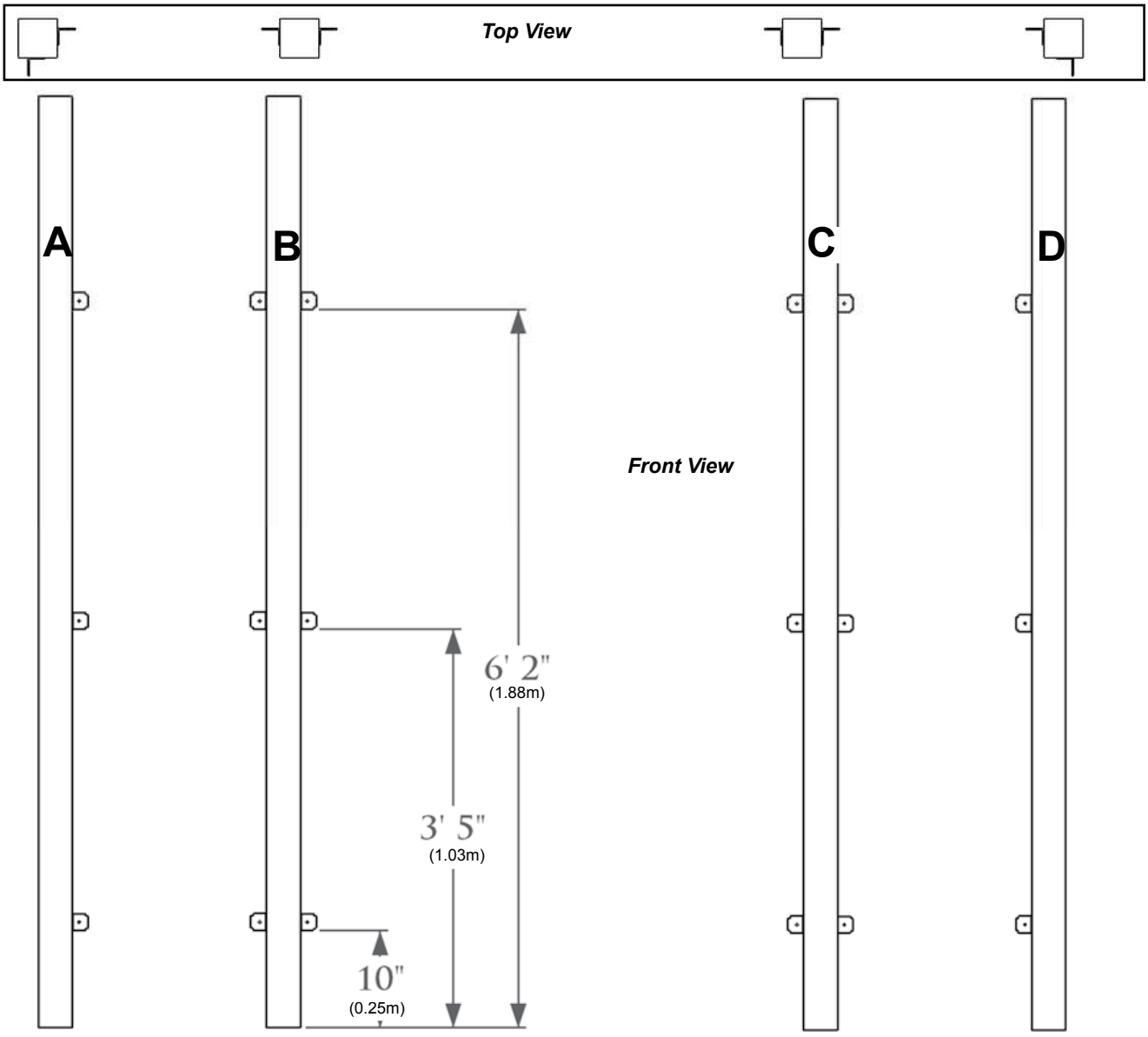
Step 6- Attach Panel Clips Back posts

1. On a flat surface place P- 4x4 Post on its side and position Panel Clips in locations indicated in Figures 1 and 1A. **Ensure Panel Clips are oriented as shown in Diagrams!**
2. Panel Clips should be placed in the centre of the post or the leading edge of the clip should be 1” or 2.54cm away from the side of the post as shown in Fig. 2.
3. With Panel Clips in place, mark screw holes with a pencil and pre-drill holes with a 1/8” drill bit. (Not provided)
4. Secure Panel Clips in locations indicated in figure 1 and 1A with S7- #8 x 1 1/2” wood screws.

Fig. 2



Pre-drill holes and secure with S7- #8 x 1 1/2” Wood Screws



4X [P] 4X4 Post

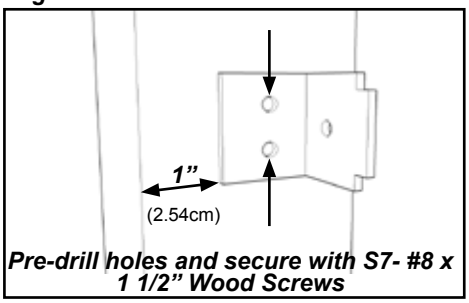
21X - Panel Clips

42X (S7) #8 x 1 1/2” Wood Screw

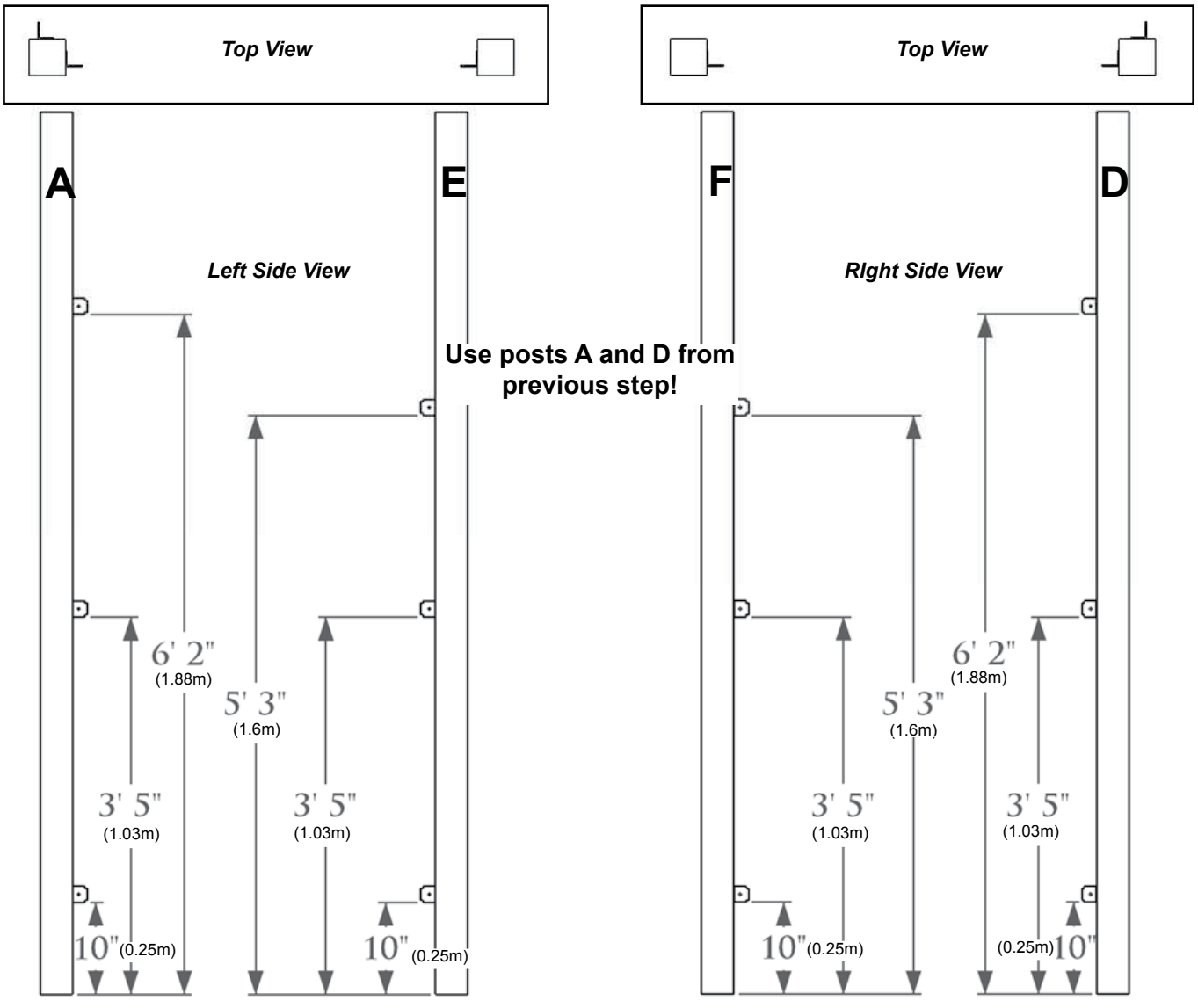
Step 7- Attach Panel Clips to Side Posts

1. On a flat surface place P- 4x4 Post on its side and position Panel Clips in locations indicated in Figures 1 and 1A. **Ensure Panel Clips are oriented as shown in Diagrams! Use posts A and D from previous step.**
2. Panel Clips should be placed in the centre of the post or the leading edge of the clip should be 1” or 2.54cm away from the side of the post as shown in Fig. 2.
3. With Panel Clips in place, mark screw holes with a pencil and pre-drill holes with a 1/8” drill bit. (Not provided)
4. Secure Panel Clips in locations indicated in figure 1 and 1A with S7- #8 x 1 1/2” wood screws.
5. Repeat for each post configuration.

Fig. 2



Pre-drill holes and secure with S7- #8 x 1 1/2” Wood Screws

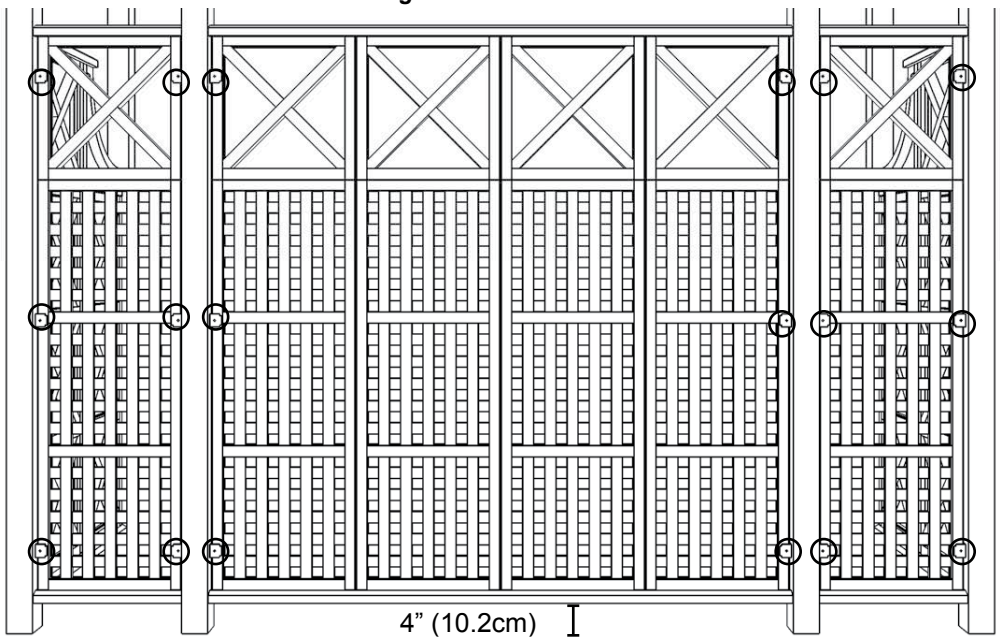


2x P 4x4 Posts	12x - Panel Clips
	24x S7 #8 x 1 1/2” Wood Screw

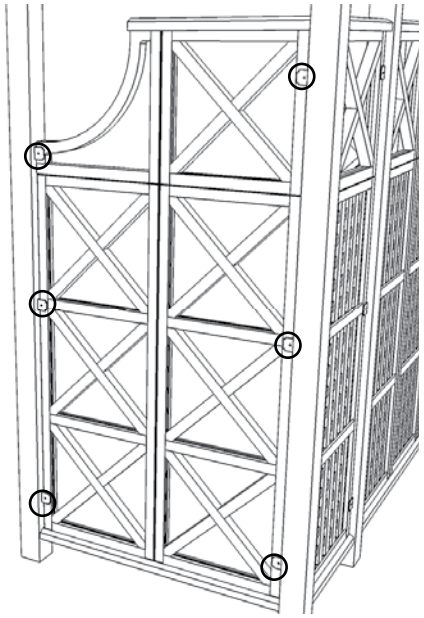
Step 9- Attach Panels to Posts

1. Place panel assemblies on posts as shown (Fig.1) allowing a 4” gap between the bottom of the post and the bottom edge of the bottom rail on the panel assembly. *Note: This is best achieved by laying a 4x4 post on the ground. Position panel assembly correctly in place. Once attached, stand the post and attach assembly with the completed posts and panel assembly pieces.*
2. With a 1/8” drill bit, predrill holes as shown in figure 2.
3. Fasten the panel assembles to the post and Panel Clips with a S5- 1” Pan Head Screw provided in location of circles. (Fig. 1)

Fig. 1 Back View



Left Side View



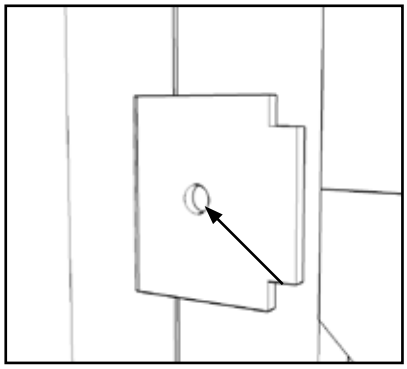
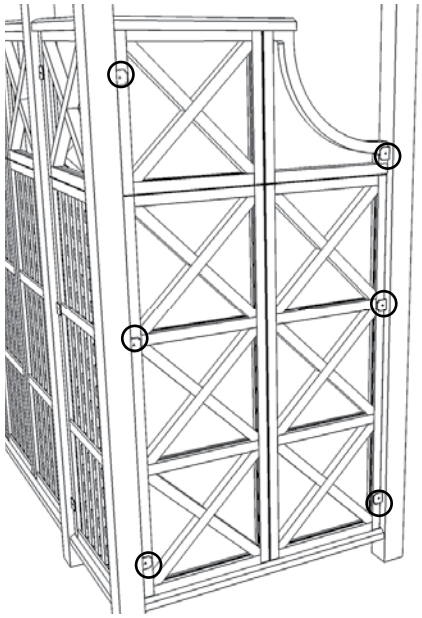


Fig. 2. Predrill Holes and Fasten with S5- 1” Pan Head Screw

Right Side View



30X (S5) #10 x 1” Pan Screws

Step 10- Layout Posts and Connectors

1. Layout pergola bases in configuration shown in figure 1. ***Pergola bases must be installed on a flat and level surface. It is recommended the structure be secured to existing stone, concrete or deck with the Yardistry Post Base (YM21016) or equivalent hardware.**
2. Install Post Top Connectors with S6- 1 1/2" Pan Head Screws provided. (Fig. 2) Ensure the direction of the Post Top Connector is the same direction as indicated by the arrows in figure 1.

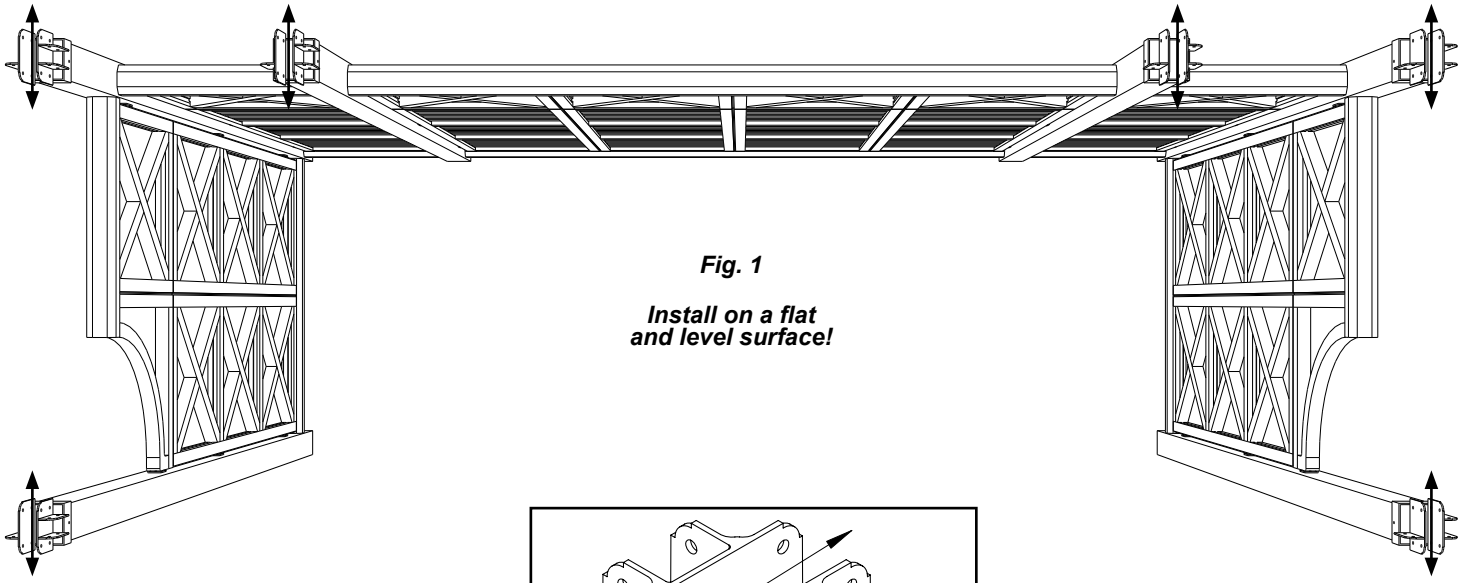


Fig. 1

Install on a flat and level surface!

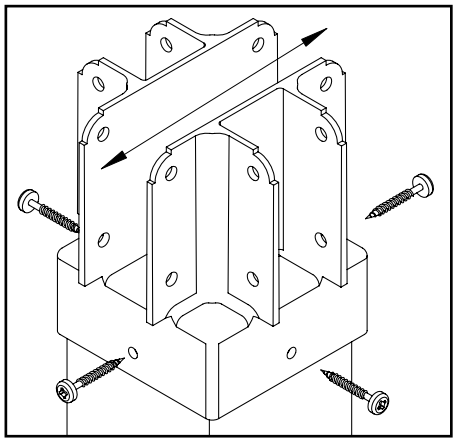


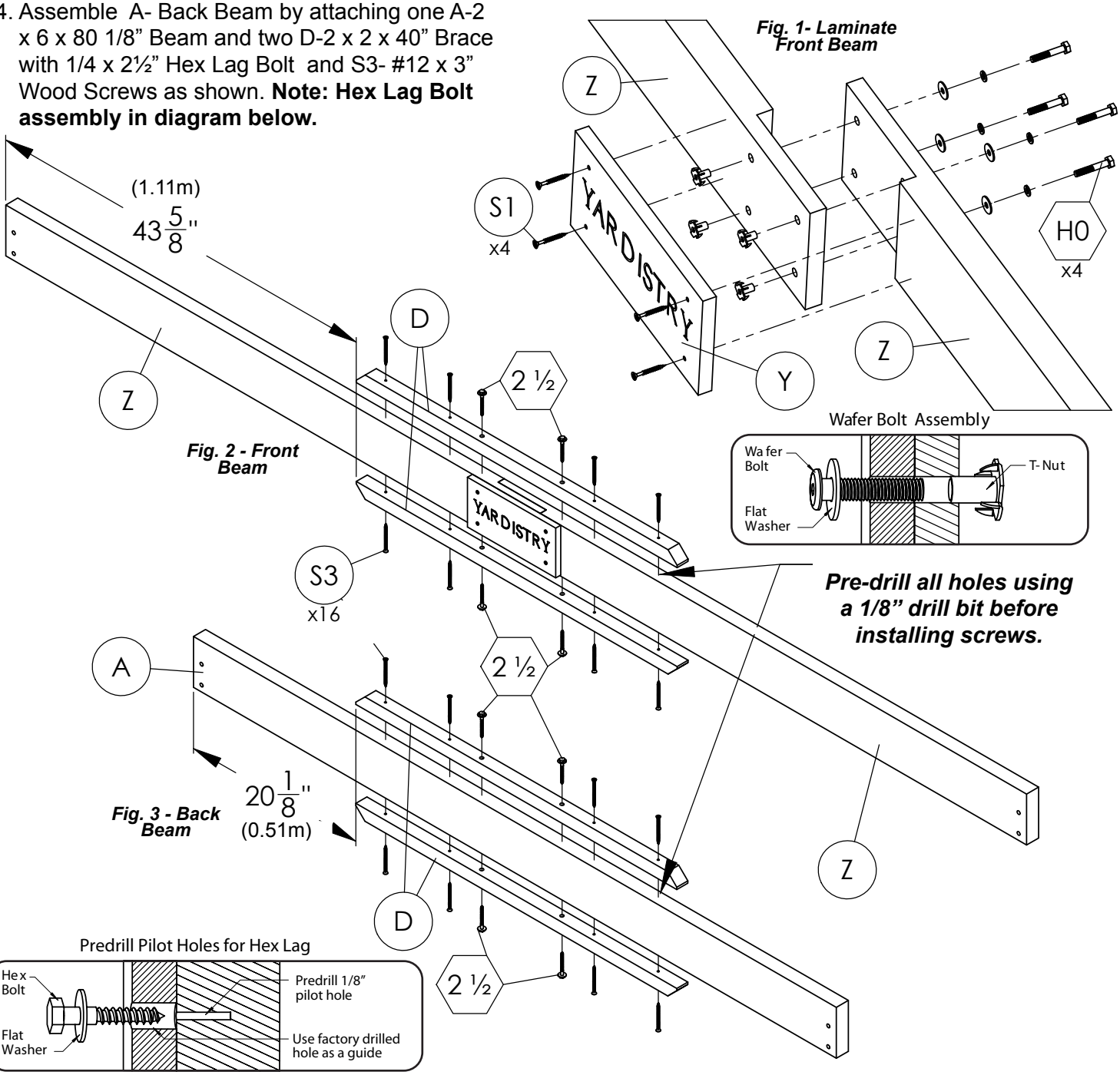
Fig. 2 - Attach Post Top Connectors with S6- 1 1/2" Pan Head Screws.

24X (S6) 1 1/2" Pan head Screws

6X - Post Top Connector

Step 11- Assemble Front and Back Beams

1. Secure two Z-2 x 6 x 66 5/8” Beams together with H0-1/4" x 1 1/4" Wafter Bolts as shown in Figure 1. **Note: Wafer Bolt assembly in diagram below.**
2. Attach Y-1 x 6 x 11" Plaque with S1- #8 - 1 1/2" Wood Screws as shown in Fig. 1.
3. Complete Z- Front Beam by securing two Z-2 x 6 x 66 5/8” Beams and two D-2 x 2 x 40” Brace with 1/4 x 2½” Hex Lag Bolt and S3- #12 x 3” Wood Screws as shown in Figure 1. **Note: Hex Lag Bolt assembly in diagram below.**
4. Assemble A- Back Beam by attaching one A-2 x 6 x 80 1/8” Beam and two D-2 x 2 x 40” Brace with 1/4 x 2½” Hex Lag Bolt and S3- #12 x 3” Wood Screws as shown. **Note: Hex Lag Bolt assembly in diagram below.**



8x (2½) 1/4 x 2 1/2” Hex Lag Bolt w/ Washers

16x (S3) #12- 3” Wood Screw

4x (S1) #8- 1 1/2” Wood Screw

4x (H0) 1/4" x 1 1/4" Wafer Bolt Assembly

2x [Z] 2 x 6 x 66 5/8” Beam

1x [A] 2 x 6 x 80 1/8” Beam

4x [D] 2 x 2 x 40” Brace

1x [Y] 1 x 6 x 11” Plaque

Step 12- Mounting Beams to Connectors

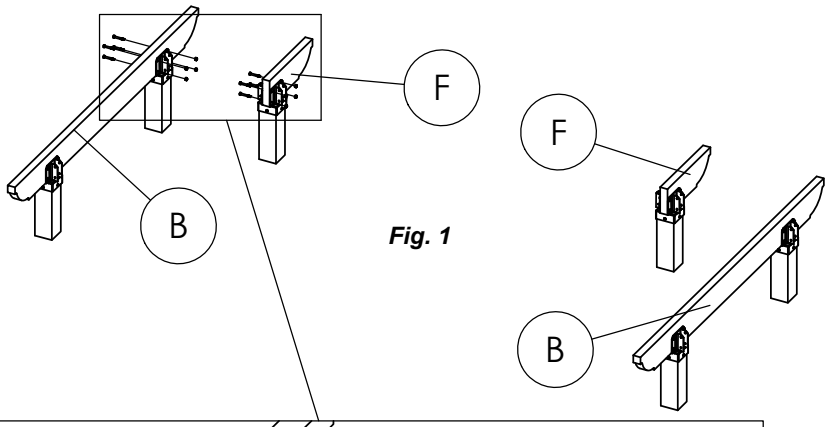


Fig. 1

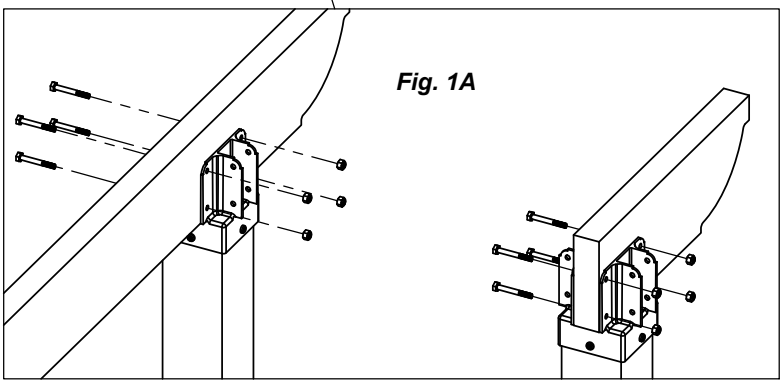


Fig. 1A

1. Attach two B- 2 x 6 x 71 5/8" Beams to Post Top Connectors with WH-7/16" Hex Bolt as shown in Fig. 1 and 1A.

2. Attach two F- 2 x 6 x 16 3/4" Beams Ends to Post Top Connectors with WH-7/16" Hex Bolt as shown in Fig. 1 and 1A.

3. Attach one A- Back Beam and one Z- Front Beam to Post Top Connectors with WH-7/16" Hex Bolt as shown in Fig. 2 and 2A.

4. Attach four H- 2 x 6 x 13 1/2" Beam Ends to Post Top Connectors with WH-7/16" Hex Bolt as shown in Fig. 2 and 2A.

5. Attach two E- 2 x 6 x 21 5/8" Beams to Post Top Connectors with WH-7/16" Hex Bolt as shown in Fig. 2 and 2A.

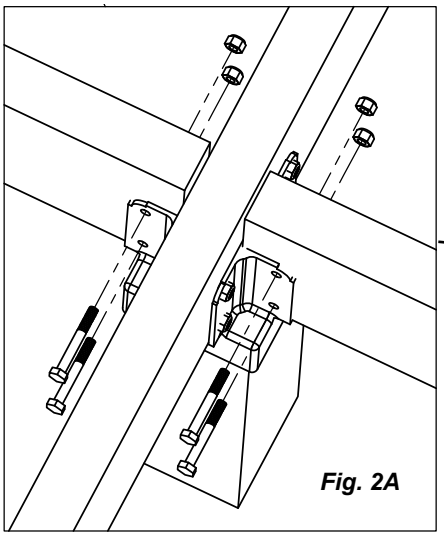


Fig. 2A

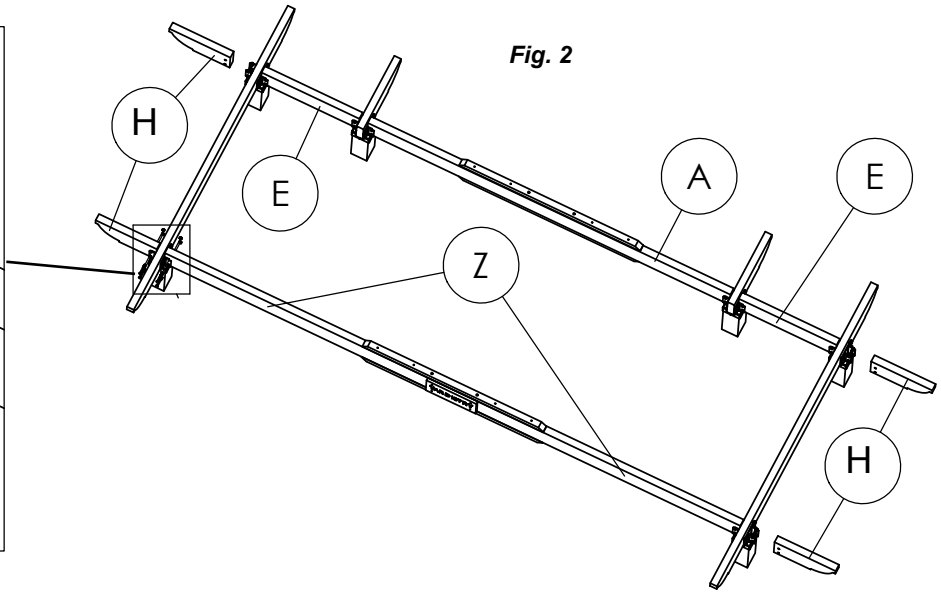


Fig. 2

2X [B] 2 X 6 X 71 5/8" Beams	2X [E] 2 X 6 X 21 5/8" Beams
2X [F] 2 X 6 X 16 3/4" Beam Ends	48X (WH) 7/16" Hex Bolt w/ Nut
4X [H] 2 X 6 X 13 1/2" Beam Ends	

Step 13- Installing Pergola Roof

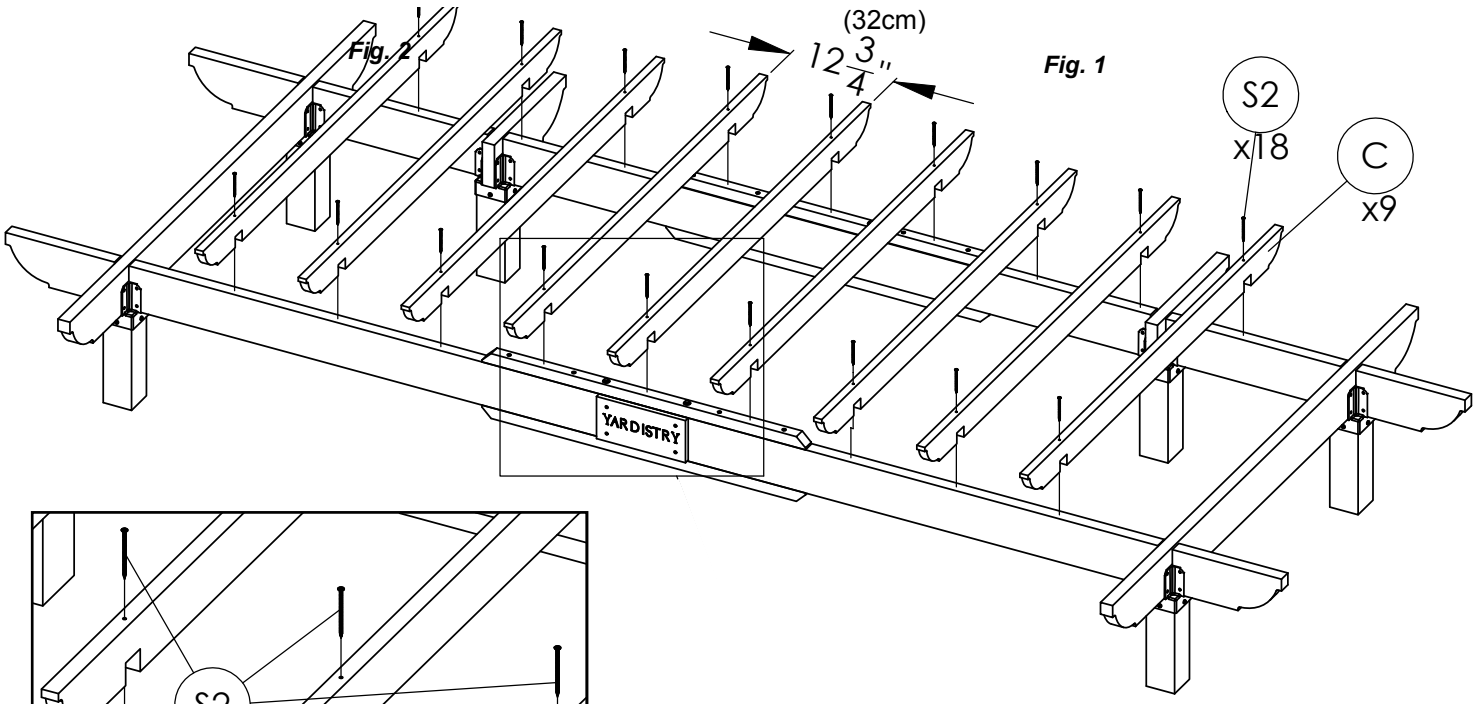


Fig. 1

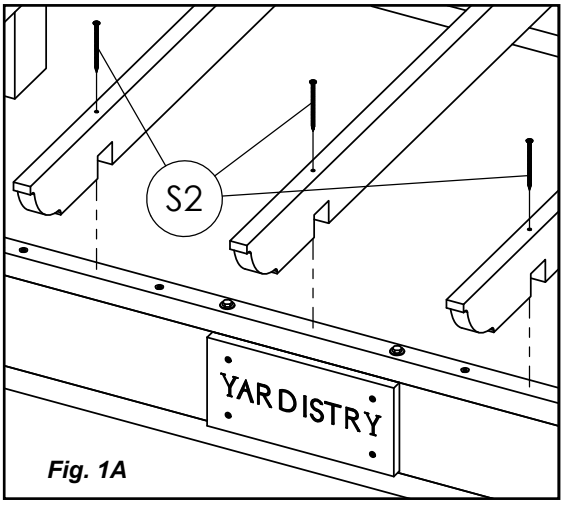
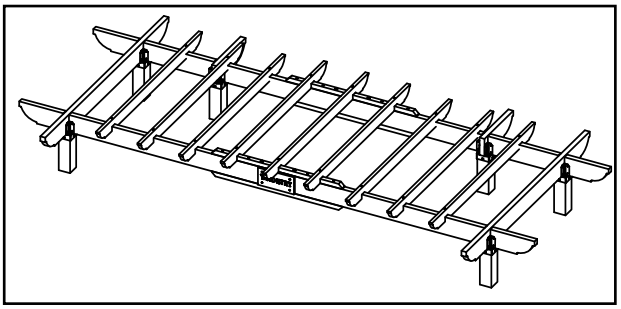


Fig. 1A

1. Layout nine C-5/4 x 4 x 59 3/4" Trellis on the beams, centering the middle beam as shown in figure 1.
2. Allow for a 12 3/4” or 32cm gap between each Trellis. (outside face to outside face)
3. Fasten Trellis roof to beams with S2- #8 x 3” Wood Screws. Fig. 1 &1A



9x [C] 5/4 x 4 x 59 3/4" Trellis 18x (S2) #8 x 3” Wood Screws